Although at least one embodiment of the present invention has been shown and described, it is apparent that many changes and modifications may be made thereunto without departing from the spirit and scope of the invention.

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What is claimed is:

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LEGEND TO SINGLE DRAWING:

	I	First Process Step	18b	Selection
	II	Second Process Step	19	External Data ~~BAse~~ Base
5	III	Third Process Step	20	Second Data Base
	1	Physician	21	Additional Data
	2	Measuring Head	22	Evaluated Images
	3	Digital Images	23	Select Comparative Data
	4	Pattern Projector	23a	Evaluated Images
10	5	Digital Color Cameras	~~24b~~ 23b optional: Additional Data
	6	Ring of Reference Colors		
	7	Skin Anomaly		
	8	Patient Data Base		
	9	Relevant Patient-Related Data		
15	10	Video Monitor		
	10a	Expert Consultation		
	10b	Video Conferencing		
	11	Local Computer		
	12	Digital Images		
20	13	Surface Measurement Data		
	14	Neuornal Net		
	15	First Classification Step		
	15a	Benign		
	15b	~~Suspicious~~ Malignant		
25	15c	~~Malignant~~ Suspicious		
	16	optional: Telematic		
	17	Central Computer		
	18	Neuronal Net		
	18a	Further Classification Process		